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A32708 (070050.1125)
2712
2612

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Nayar et al.
Serial No. : 09/511,469 Examiner: Shareill Coles
Filed : February 23, 2000 Group Art Unit: 2712
For : METHOD AND APPARATUS FOR OBTAINING
HIGH DYNAMIC RANGE IMAGES

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INFORMATION
DISCLOSURE
STATEMENT

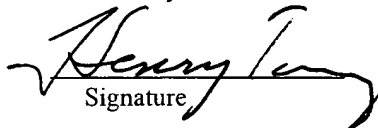
I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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March 28, 2001

Date of Deposit

Henry Tang

Attorney Name


Signature

29,705

PTO Registration No.

March 28, 2001

Date of Signature

Commissioner for Patents

Washington, D.C. 20231

Sir:

Please make the following documents and information of record with respect to the above-captioned patent application:

1. U.S. Patent No. 4,623,928 to Handy, dated November 18, 1986.
2. U.S. Patent No. 4,873,561 to Wen, dated October 10, 1989.
3. U.S. Patent No. 5,309,243 to Tsai, dated May 3, 1994.

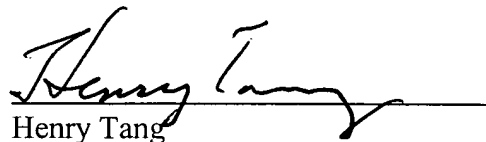
4. U.S. Patent No. 5,420,635 to Konishi et al., dated May 30, 1995.
5. U.S. Patent No. 5,455,621 to Morimura, dated October 3, 1995.
6. U.S. Patent No. 5,638,118 to Takahashi et al., dated June 10, 1997.
7. U.S. Patent No. 5,789,737 to Street, dated August 4, 1998.
8. U.S. Patent No. 5,801,773 to Ikeda, dated September 1, 1998.
9. JP 03-074967, dated June 9, 2000.
10. JP 10-069011, dated March 10, 1998.
11. JP 08-340486, dated December 24, 1996.
12. JP 08-331461, dated December 13, 1996.
13. JP 08-223491, dated August 30, 1996.
14. JP 08-154201, dated June 11, 1996.
15. JP 07-254966, dated October 3, 1995.
16. JP 07-254965, dated October 3, 1995.
17. JP 59-217358, dated December 7, 1984.
18. Mann et al., "On Being 'Undigital' With Digital Cameras: Extending Dynamic Range by Combining Differently Exposed Pictures", M.I.T. Media Lab Perceptual Computing Section, p. 422-428, May 1995.
19. Debevec et al, "Recovering High Dynamic Range Maps from Photographs", SIGGRAPH '97 Conference Proceedings, August 1997
20. Lee et al, "Scattered Data Interpolation with Multilevel B-Splines", IEEE Transactions on Visualization and Computer Graphics, Vol. 3, No. 3, p. 228-244, July-September 1997.
21. Mitsunaga et al., "Radiometric Self Calibration", IEEE Conference on Computer Vision and Pattern Recognition (CVPR 99), p.374-380, June 1999.

English language translations for the Japanese Patents numbered 9-17 above are not readily available, however, Abstracts are attached to each of the patents for the Examiner's convenience.

Copies of the above-identified documents are enclosed, together with a Form PTO-1449 listing these documents.

Insofar as Applicants' attorneys are aware, as of the date of mailing of this document there has been no mailing of a first Office Action on the merits for the above-captioned patent application. Accordingly, it is respectfully submitted that, pursuant to 37 C.F.R. 1.97(b), no additional fees are required. However, if additional fees are required, the Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 02-4377.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Henry Tang", is written over a horizontal line.

Henry Tang
Patent Office Reg. No. 29,705

Attorneys for Applicant
(212) 408-2586

Enclosures



Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 070050.1125 (A32708)	Serial No. 09/511,469
	Applicant Nayar et al.	
	Filing Date February 23, 2000	Group 2712
	(Empty space for additional information)	

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U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appro.
	4 6 2 3 9 2 8	11/18/86	Handy	358	213	
	4 8 7 3 5 6 1	10/10/89	Wen	357	24	
	5 3 0 9 2 4 3	05/03/94	Tsai	348	221	
	5 4 2 0 6 3 5	05/30/95	Konishi et al.	936	845	
	5 4 5 5 6 2 1	10/03/95	Morimura	348	229	
	5 6 3 8 1 1 8	06/10/97	Takahashi et al.	348	207	
	5 7 8 9 7 3 7	08/04/98	Street	250	208	
	5 8 0 1 7 7 3	09/01/98	Ikeda	348	229	

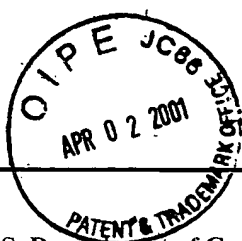
FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subclass	Translator Yes No	
3 0 7 4 9 6 7	06/09/00	Japan				
1 0 0 6 9 0 1 1	03/10/98	Japan				
8 3 4 0 4 8 6	12/24/96	Japan				

Examiner	Date Considered
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* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NY02:314852.1



Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 070050.1125 (A32708)	Serial No. 09/511,469
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			8	2	2	3	4	9	1	08/30/96	Japan				
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			7	2	5	4	9	6	5	10/03/95	Japan				
		5	9	2	1	7	3	5	8	12/07/84	Japan				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

		Mann et al., "On Being 'Undigital' With Digital Cameras: Extending Dynamic Range by Combining Differently Exposed Pictures", M.I.T. Media Lab Perceptual Computing Section, p. 422-428, May 1995.
		Debevec et al, "Recovering High Dynamic Range Maps from Photographs", SIGGRAPH '97 Conference Proceedings, August 1997
		Lee et al, "Scattered Data Interpolation with Multilevel B-Splines", IEEE Transactions on Visualization and Computer Graphics, <u>Vol. 3</u> , No. 3, p. 228-244, July-September 1997.
		Mitsunaga et al., "Radiometric Self Calibration", IEEE Conference on Computer Vision and Pattern Recognition (CVPR 99), p.374-380, June 1999.

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